

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number
WO 2004/062129 A1

(51) International Patent Classification⁷: **H04B 3/32,**
H04L 5/20

[FR/FR]; 12 chemin des Hauts de Clairefontaine, F-78580
Maule (FR). **CLAVELIER, Evelyne** [FR/FR]; 12 chemin
des Hauts de Clairefontaine, F-78580 Maule (FR).

(21) International Application Number:
PCT/EP2003/015036

(22) International Filing Date:
24 December 2003 (24.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03/00064 6 January 2003 (06.01.2003) FR

(71) Applicant (for all designated States except US): **EXCEM**
[FR/FR]; 12 chemin des Hauts de Clairefontaine, F-78580
Maule (FR).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

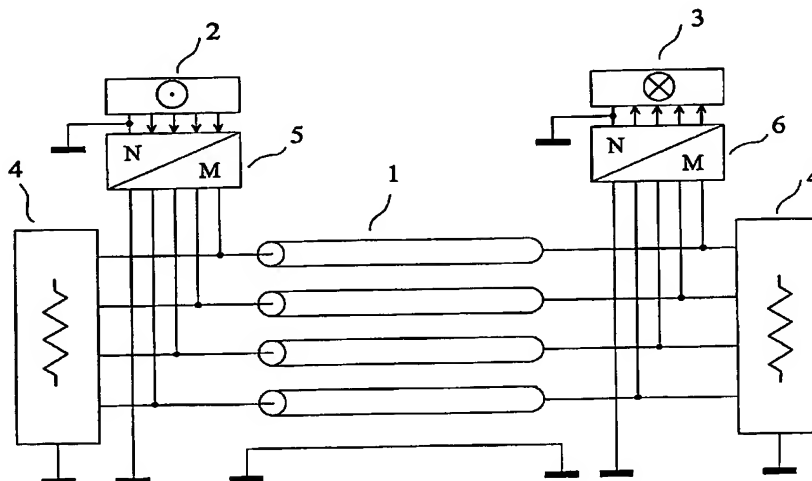
(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and
(75) Inventors/Applicants (for US only): **BROYDE, Frédéric**

Published:
— with international search report

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR TRANSMISSION WITH REDUCED CROSSTALK



(57) Abstract: The invention relates to a method and a device for transmission with reduced crosstalk in interconnections used for sending a plurality of signals, such as the interconnections made with flat multiconductor cables, or with the tracks of a printed circuit board, or inside an integrated circuit. An interconnection (1) with four parallel transmission conductors plus a reference conductor has each of its ends connected to a termination circuit (4). The transmitting circuit (5) receives at its input the signals of the four channels of the source (2) and its output terminals are connected to the conductors of the interconnection. The receiving circuit's (6) input terminals are connected to the conductors of the interconnection, and its four output channels are connected to the destination (3). The signals of the four channels of the source (2) are sent to the four channels of the destination (3), without noticeable crosstalk.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.